

Submitted to

Los Angeles County

**Recommendations and Photographs for Each CCTV Location
– Draft Project Summary (Deliverable 2.3.1.2)**

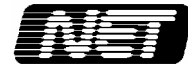
Gateway Cities Traffic Signal Synchronization
And Bus Speed Improvement Project

January, 2005

Version 1.0

**National Engineering
Technology Corporation**





1.0 Purpose of Document

The purpose of this document is to provide recommendations regarding CCTV camera placement at the signalized intersections proposed in the Conceptual Design Report. There are 30 proposed CCTV locations for which an evaluation was conducted with the results provided herein.

2.0 Evaluation Approach

A field survey was conducted for each intersection for which a CCTV camera is proposed for deployment. Each quadrant was evaluated as a potential location for the CCTV camera. The cameras are proposed to be in dome enclosures and are capable of 360 degree panning and 90 degree tilting. For cost efficiency, the design approach is to mount a dome enclosure on an existing signal pole whenever possible. The CCTV location was evaluation using four criteria with a rating of 1 (worst) to 4 (best):

- Power Access
- Communications Access
- Field of View
- Mounting

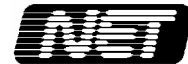
The rating for each criterion is based on the following descriptions.

2.1 Power Access

- 4** – CCTV location on the same quadrant as the controller cabinet where existing 120 VAC power is typically available.
- 3** – CCTV location on the quadrant across the street from the controller cabinet, requiring a cable run in an existing conduit crossing.
- 2** - CCTV location on the quadrant diagonally across the intersection from the controller cabinet, requiring a cable run in an two existing conduit crossing.
- 1** - CCTV location would require a new power access point to be installed at the intersection.

2.2 Communications Access

- 4** – CCTV location on the same quadrant as the controller cabinet where existing communication facility can be accessed.
- 3** – CCTV location on the quadrant across the street from the controller cabinet, requiring a cable run in an existing conduit crossing.
- 2** - CCTV location on the quadrant diagonally across the intersection from the controller cabinet, requiring a cable run in an two existing conduit crossing.



- 1 - CCTV location would require a new communications access point to be installed at the intersection.

2.3 Field of View

- 4 – CCTV location has a good field of view for each of the approaches with no obstructions from power poles, trees, signs, or aerial cables.
- 3 – CCTV location has a field of view for each approach with a minor obstruction in viewing one approach.
- 2 - CCTV location has a field of view for each approach with a major obstruction in viewing one approach.
- 1 - CCTV location has a field of view for each approach with a major obstruction in viewing more than one approach.

2.4 Mounting

- 4 – CCTV camera enclosure can be mounted to an existing signal pole to achieve maximum mounting height with no conflicting signal pole attachments.
- 3 – CCTV location on the quadrant across the street from the controller cabinet, requiring a cable run in an existing conduit crossing.
- 2 - CCTV location on the quadrant diagonally across the intersection from the controller cabinet, requiring a cable run in an two existing conduit crossing.
- 1 - CCTV location would require a new power access point to be installed at the intersection.

3.0 Recommendations

Recommendations are included for each signalized intersection as described in the attached intersection recommendation sheets. Table 1 includes a list of the signalized intersections proposed for CCTV video surveillance. The intersection recommendation sheet defines the quadrant and pole mounting for which the CCTV camera is to be located. A video snippet was recorded from two perspectives (existing pole locations) at each of the four quadrants. The video snippet corresponding to the recommended CCTV camera location is included on a CD for reference.

Table 1 List of Proposed CCTV Locations

	FIRESTONE BOULEVARD	
No.	Cross Street	Jurisdiction
1	Compton Ave	LA County
2	Long Beach Blvd	South Gate
3	California Ave	South Gate
4	Atlantic Ave	South Gate
5	Garfield Ave	South Gate
6	Paramount Blvd	Downey
7	Lakewood Blvd	Downey
8	Studebaker Rd	Norwalk
9	Imperial Hwy	Norwalk
10	Pioneer Blvd	Norwalk
	IMPERIAL HIGHWAY	
No.	Cross Street	Jurisdiction
11	Long Beach Blvd	Lynwood
12	Atlantic Ave	Lynwood
13	Paramount Blvd	Downey
14	Lakewood Blvd	Downey
15	Bellflower Blvd	Downey
16	Bloomfield Ave	Norwalk
17	Carmenita Rd	LA County
18	Valley View Ave	La Mirada
19	La Mirada Blvd	La Mirada
	ROSECRANS AVENUE	
No.	Cross Street	Jurisdiction
20	Avalon Blvd	LA County
21	Wilmington Ave	Compton
22	Long Beach Blvd	Compton
23	Atlantic Ave	LA County
24	Paramount Blvd	Paramount
25	Lakewood Blvd	Downey/Bellflower
26	Woodruff Ave	Bellflower
27	Studebaker Rd	Norwalk
28	Pioneer Blvd	Norwalk
29	Carmenita Rd	Norwalk
30	Valley View Ave	Santa Fe Springs

FIRESTONE BLVD AT COMPTON AVE

INTERSECTION RECOMMENDATION SHEET

DATE: 1/24/05

LOCATION: FIRESTONE BLVD / COMPTON AVE

CITY: LA COUNTY

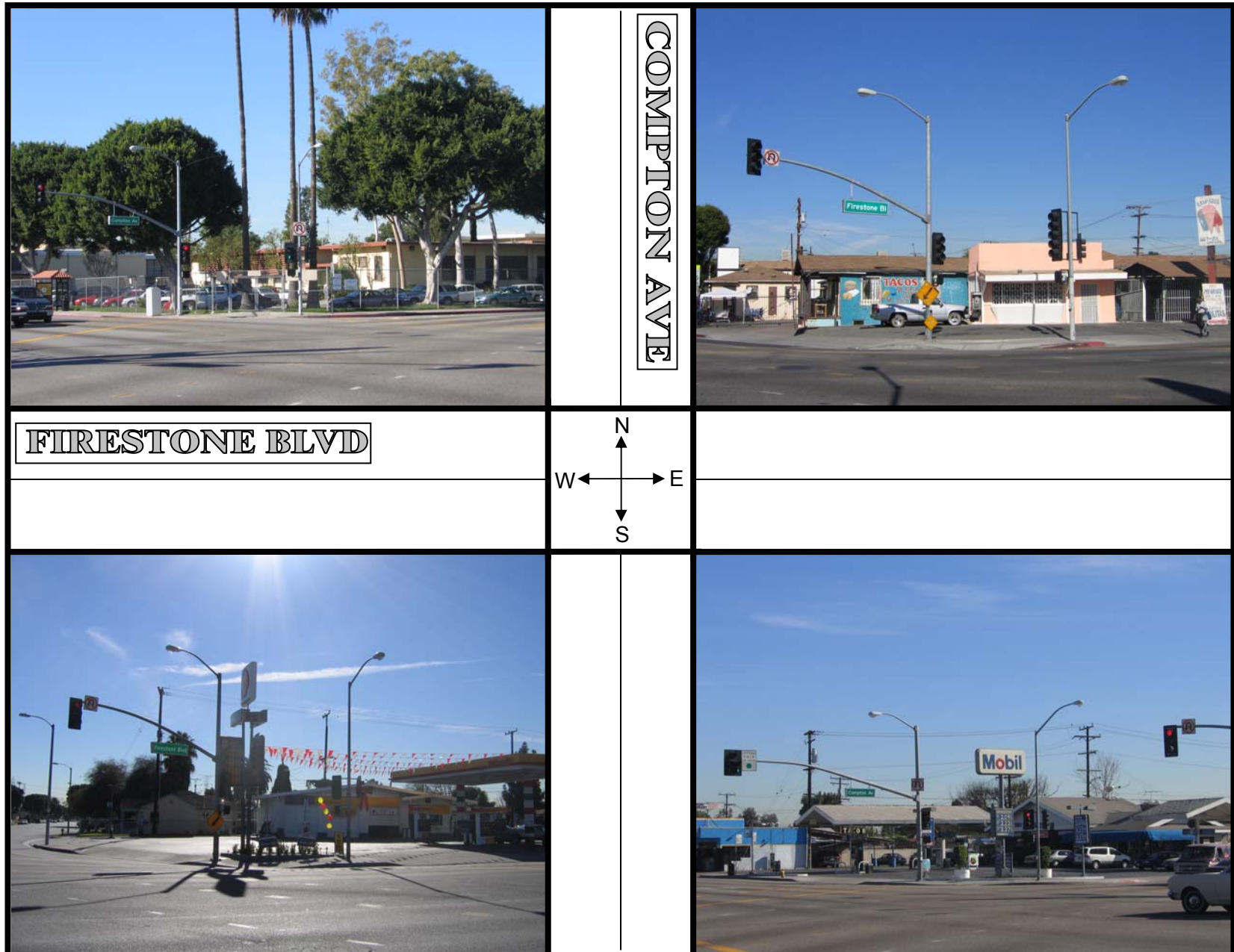
LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	3	4	2	1
B).	FIELD OF VIEW	2	1	4	3
C).	COMMUNICATIONS ACCESS	-	-	-	-
D).	MOUNTING	3	4	4	2
	TOTAL	8	9	10	6

[WORST=1 – 4=BEST]

RECOMMENDATION: (Northeast Quadrant – Existing Signal Pole)

Controller cabinet is located on northwest quadrant but trees obstructed the field of view for a camera on this quadrant. CCTV camera can be mounted near the top of existing signal pole with luminaire on the northeast quadrant on Firestone Blvd. There are no obstructions to field of view and good coverage of all approaches. Unable to confirm telephone access point location pending coordination with telephone company.



FIRESTONE BLVD AT LONG BEACH BLVD

INTERSECTION RECOMMENDATION SHEET

DATE: 1/25/05

LOCATION: FIRESTONE BLVD / LONG BEACH BLVD

CITY: SOUTH GATE

LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	1	1	4	3
B).	FIELD OF VIEW	3	2	4	2
C).	COMMUNICATIONS ACCESS	1	2	4	2
D).	MOUNTING	3	2	4	1
	TOTAL	8	7	16	8

[WORST=1 – 4=BEST]

RECOMMENDATION: (Northeast Quadrant – New Signal Pole)

Controller cabinet is located on northeast quadrant providing best access to power and twisted-pair cable communications. CCTV camera can be mounted near the top of a new 30' signal pole replacing the existing type 1-A pole and installing a new side mount signal head nearest to the controller cabinet. There are no obstructions to field of view and good coverage of all approaches.



FIRESTONE BLVD AT CALIFORNIA AVE



INTERSECTION RECOMMENDATION SHEET

DATE: 2/09/05

LOCATION: FIRESTONE BLVD / CALIFORNIA AVE

CITY: SOUTH GATE

LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	4	3	1	3
B).	FIELD OF VIEW	2	4	2	1
C).	COMMUNICATIONS ACCESS	-	-	-	-
D).	MOUNTING	4	2	4	4
	TOTAL	10	9	7	8

[WORST=1 – 4=BEST]

RECOMMENDATION: (Northwest Quadrant – New Signal Pole)

Controller cabinet is located on southeast quadrant providing best access to power and possibly telephone communications. CCTV camera can be mounted near the top of new 30' signal pole by either replacing the type 1-A pole with new side-mount signal heads and ped heads or separate CCTV pole on northwest quadrant along Firestone Blvd. There are no obstructions to field of view and good coverage of all approaches. Other quadrants have field of views that have partial obstructions. Unable to confirm telephone access point location pending coordination with telephone company.



FIRESTONE BLVD AT ATLANTIC AVE

INTERSECTION RECOMMENDATION SHEET

DATE: 1/24/05

LOCATION: FIRESTONE BLVD / ATLANTIC AVE

CITY: SOUTH GATE

LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	4	1	2	3
B).	FIELD OF VIEW	3	3	2	1
C).	COMMUNICATIONS ACCESS	4	2	1	2
D).	MOUNTING	2	1	4	3
	TOTAL	13	7	9	9

[WORST=1 – 4=BEST]

RECOMMENDATION: (Southwest Quadrant – New Signal Pole)

Controller cabinet is located on southwest quadrant providing best access to power and twisted-pair communications. CCTV camera can be mounted near the top of a new 30' signal pole by either replacing the type 1-A pole with new side-mount signal heads and ped heads or separate CCTV pole nearest to the controller cabinet. There are no obstructions to field of view and good coverage of all approaches. Other quadrants have similarly good field of views but would require longer runs for video cable.



FIRESTONE BLVD AT GARFIELD AVE

INTERSECTION RECOMMENDATION SHEET

DATE: 1/24/05

LOCATION: FIRESTONE BLVD / GARFIELD AVE

CITY: SOUTH GATE

LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	4	2	3	1
B).	FIELD OF VIEW	3	3	2	2
C).	COMMUNICATIONS ACCESS	4	2	1	2
D).	MOUNTING	2	3	2	1
	TOTAL	13	10	8	6

[WORST=1 – 4=BEST]

RECOMMENDATION: (Southwest Quadrant – New Signal Pole)

Controller cabinet is located on southwest quadrant providing best access to power and twisted pair communications. CCTV camera can be mounted near the top of a new 30' signal pole or a new CCTV pole along Firestone Blvd. The signal heads and ped heads can be replaced with side-mounts. There are no obstructions to field of view and good coverage of all approaches. Other quadrants have similarly good field of views but would require longer runs for video cable.



FIRESTONE BLVD AT PARAMOUNT BLVD



INTERSECTION RECOMMENDATION SHEET

DATE: 1/24/05

LOCATION: FIRESTONE BLVD / PARAMOUNT BLVD

CITY: DOWNEY

LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	3	2	2	4
B).	FIELD OF VIEW	2	2	1	3
C).	COMMUNICATIONS ACCESS	3	2	3	4
D).	MOUNTING	3	3	3	4
	TOTAL	11	9	9	15

[WORST=1 – 4=BEST]

RECOMMENDATION: (Southeast Quadrant – Existing Signal Pole)

Controller cabinet is located on southeast quadrant providing best access to power fiber optic communications. CCTV camera can be mounted near the top of existing signal pole with luminaire nearest to the controller cabinet. There are no obstructions to field of view and good coverage of all approaches. Other quadrants have similarly good field of views but would require longer runs for video cable.



FIRESTONE BLVD AT LAKEWOOD BLVD

INTERSECTION RECOMMENDATION SHEET

DATE: 1/24/05

LOCATION: FIRESTONE BLVD / LAKEWOOD BLVD

CITY: DOWNEY

LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	3	4	3	2
B).	FIELD OF VIEW	2	3	3	3
C).	COMMUNICATIONS ACCESS	3	4	3	2
D).	MOUNTING	4	3	2	3
	TOTAL	12	14	11	10

[WORST=1 – 4=BEST]

RECOMMENDATION: (Northwest Quadrant – New Signal Pole)

Controller cabinet is located on northwest quadrant providing best access to power and fiber optic communications. CCTV camera can be mounted near the top of new 30' signal pole by either replacing the type 1-A pole with new side-mount signal heads and ped heads or separate CCTV pole luminaire nearest to the controller cabinet. There are no obstructions to field of view and good coverage of all approaches. Other quadrants have similarly good field of views but would require longer runs for video cable.



FIRESTONE BLVD AT STUDEBAKER RD

INTERSECTION RECOMMENDATION SHEET

DATE: 1/24/05

LOCATION: FIRESTONE BLVD / STUDEBAKER RD

CITY: NORWALK

LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	3	4	3	2
B).	FIELD OF VIEW	3	4	2	3
C).	COMMUNICATIONS ACCESS	3	4	3	2
D).	MOUNTING	1	4	3	3
	TOTAL	10	16	11	10

[WORST=1 – 4=BEST]

RECOMMENDATION: (Northwest Quadrant – Existing Signal Pole)

Controller cabinet is located on northwest quadrant providing best access to power and fiber optic communications. CCTV camera can be mounted near the top of existing signal pole with luminaire nearest to the controller cabinet. This pole is located on a raised island next to free right turn lane. There are no obstructions to field of view and good coverage of all approaches. Other quadrants have similarly good field of views but would require longer runs for video cable.



FIRESTONE BLVD AT IMPERIAL HWY

INTERSECTION RECOMMENDATION SHEET

DATE: 1/24/05

LOCATION: FIRESTONE BLVD & IMPERIAL HWY

CITY: NORWALK

LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	3	4	3	2
B).	FIELD OF VIEW	2	4	3	3
C).	COMMUNICATIONS ACCESS	3	4	3	2
D).	MOUNTING	3	4	2	3
	TOTAL	11	16	11	10

[WORST=1 – 4=BEST]

RECOMMENDATION: (Northwest Quadrant – Existing Signal Pole)

Controller cabinet is located on northwest quadrant providing best access to power and fiber optic communications. CCTV camera can be mounted near the top of existing signal pole with luminaire nearest to the controller cabinet along Firestone Blvd. There are no obstructions to field of view and good coverage of all approaches. Other quadrants have similarly good field of views but would require longer runs for video cable.



FIRESTONE BLVD AT PIONEER BLVD

INTERSECTION RECOMMENDATION SHEET

DATE: 1/24/05

LOCATION: FIRESTONE BLVD / PIONEER BLVD

CITY: NORWALK

LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	2	3	4	3
B).	FIELD OF VIEW	2	3	4	2
C).	COMMUNICATIONS ACCESS	-	-	-	-
D).	MOUNTING	2	4	3	2
	TOTAL	6	10	11	7

[WORST=1 – 4=BEST]

RECOMMENDATION: (Northeast Quadrant – Existing Signal Pole)

Controller cabinet is located on northeast quadrant providing best access to power and possibly telephone communications. CCTV camera can be mounted near the top of existing signal pole with signal mast and luminaire along Pioneer Blvd. There are no obstructions to field of view and good coverage of all approaches. Other quadrants have similarly good field of views but would require longer runs for video cable. Unable to confirm telephone access point location pending coordination with telephone company.



IMPERIAL HWY AT LONG BEACH BLVD

INTERSECTION RECOMMENDATION SHEET

DATE: 1/21/05

LOCATION: IMPERIAL HWY / LONG BEACH BLVD

CITY: LYNWOOD

LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	SE
A).	POWER ACCESS	4	3	2	3
B).	FIELD OF VIEW	2	4	3	2
C).	COMMUNICATIONS ACCESS	-	-	-	-
D).	MOUNTING	4	4	1	2
	TOTAL	10	11	6	7

[WORST=1 – 4=BEST]

RECOMMENDATION: (Northwest Quadrant – Existing Signal Pole)

Controller cabinet is located on southwest quadrant providing best access to power and possibly telephone communications. CCTV camera can be mounted on northwest quadrant near the top of existing signal pole with luminaire along Long Beach Blvd. There are no obstructions to field of view and good coverage of all approaches. Other quadrants have obstructions to one or more approaches and would require longer runs for video cable. Unable to confirm telephone access point location pending coordination with telephone company.



IMPERIAL HWY AT ATLANTIC AVE

DATE: 1/24/05

CITY: LYNWOOD

LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	3	4	3	2
B).	FIELD OF VIEW	3	4	2	3
C).	COMMUNICATIONS ACCESS	-	-	-	-
D).	MOUNTING	2	4	3	3
	TOTAL	8	12	8	8

[WORST=1 – 4=BEST]

RECOMMENDATION: (Northwest Quadrant – Existing Signal Pole)

Controller cabinet is located on northwest quadrant providing best access to power and possibly telephone communications. CCTV camera can be mounted near the top of existing signal pole with luminaire nearest to the controller cabinet. There are no obstructions to field of view and good coverage of all approaches. Other quadrants have similarly good field of views but would require longer runs for video cable. Unable to confirm telephone access point location pending coordination with telephone company.



IMPERIAL HWY AT PARAMOUNT BLVD



INTERSECTION RECOMMENDATION SHEET

DATE: 1/24/05

LOCATION: IMPERIAL HWY / PARAMOUNT BLVD

CITY: DOWNEY

LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	4	3	2	3
B).	FIELD OF VIEW	4	2	2	1
C).	COMMUNICATIONS ACCESS	4	3	2	3
D).	MOUNTING	4	2	2	3
	TOTAL	16	10	8	10

[WORST=1 – 4=BEST]

RECOMMENDATION: (Southwest Quadrant – Existing Signal Pole)

Controller cabinet is located on southwest quadrant providing best access to power and fiber optic communications. CCTV camera can be mounted near the top of existing signal pole with luminaire nearest along Imperial Hwy. There are no obstructions to field of view and good coverage of all approaches. Other quadrants have similarly good field of views but would require longer runs for video cable.



IMPERIAL HWY AT LAKEWOOD BLVD



INTERSECTION RECOMMENDATION SHEET

DATE: 1/24/05

LOCATION: IMPERIAL HWY / LAKEWOOD BLVD

CITY: DOWNEY

LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	3	4	3	2
B).	FIELD OF VIEW	4	3	1	3
C).	COMMUNICATIONS ACCESS	3	4	3	2
D).	MOUNTING	1	4	3	1
	TOTAL	11	15	10	8

[WORST=1 – 4=BEST]

RECOMMENDATION: (Northwest Quadrant – Existing Signal Pole)

Controller cabinet is located on northwest quadrant providing best access to power and fiber optic communications. CCTV camera can be mounted near the top of existing signal pole with luminaire nearest to the controller cabinet. There are no obstructions to field of view and good coverage of all approaches. Other quadrants have similarly good field of views but would require longer runs for video cable.



IMPERIAL HWY AT BELLFLOWER BLVD



INTERSECTION RECOMMENDATION SHEET

DATE: 1/24/05

LOCATION: IMPERIAL HWY / BELLFLOWER BLVD

CITY: DOWNEY

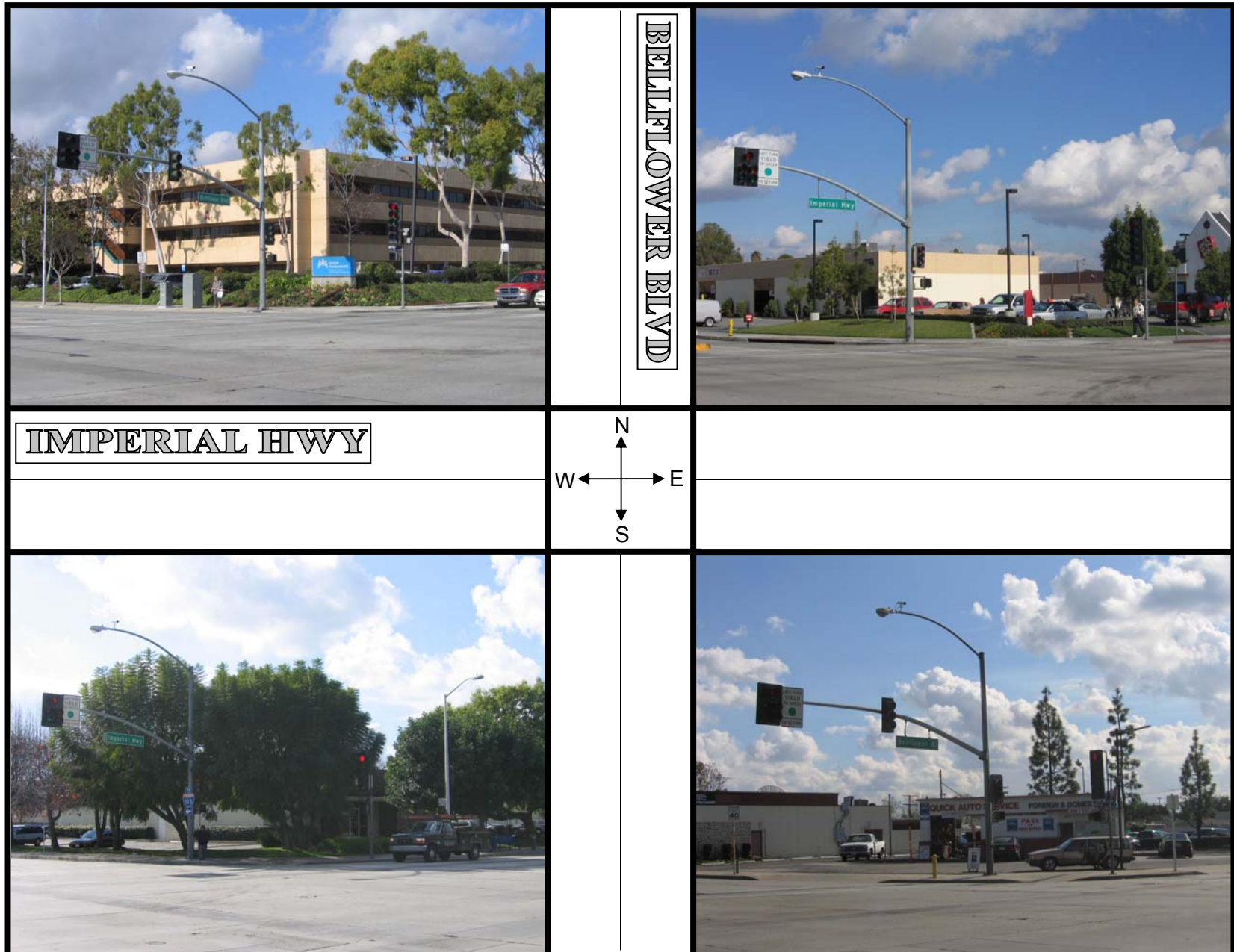
LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	3	4	3	2
B).	FIELD OF VIEW	2	3	3	3
C).	COMMUNICATIONS ACCESS	2	4	3	3
D).	MOUNTING	3	4	2	1
	TOTAL	10	15	11	9

[WORST=1 – 4=BEST]

RECOMMENDATION: (Northwest Quadrant – Existing Signal Pole)

Controller cabinet is located on northwest quadrant providing best access to power and fiber optic communications. CCTV camera can be mounted near the top of existing signal pole with luminaire nearest to the controller cabinet. There are no obstructions to field of view and good coverage of all approaches. Other quadrants have similarly good field of views but would require longer runs for video cable.



IMPERIAL HWY AT BLOOMFIELD AVE



INTERSECTION RECOMMENDATION SHEET

DATE: 1/24/05

LOCATION: IMPERIAL HWY / BLOOMFIELD AVE

CITY: NORWALK

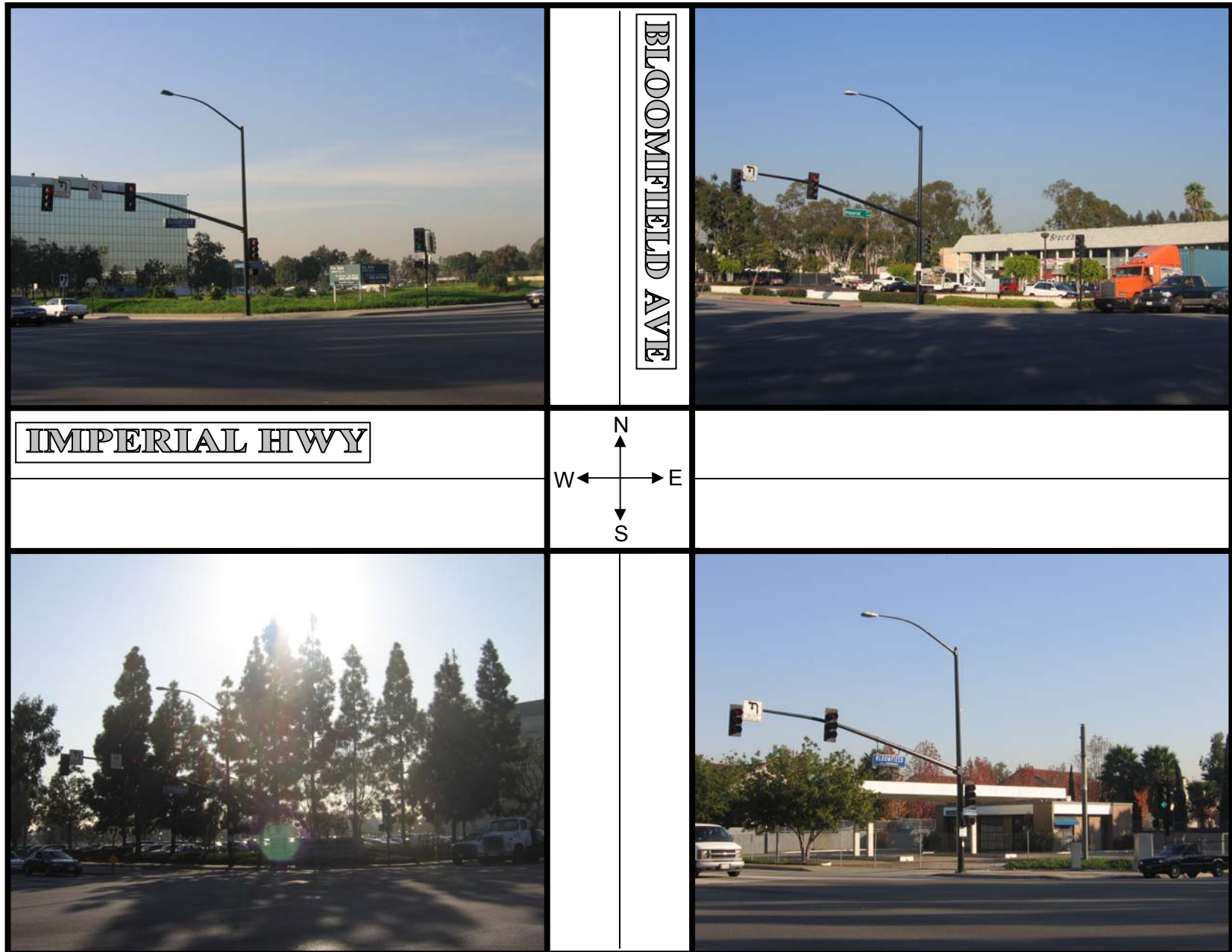
LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	2	2	3	3
B).	FIELD OF VIEW	2	3	2	4
C).	COMMUNICATIONS ACCESS	3	2	2	4
D).	MOUNTING	4	1	2	3
	TOTAL	11	8	9	14

[WORST=1 – 4=BEST]

RECOMMENDATION: (Southeast Quadrant – Existing Signal Pole)

Controller cabinet is located on southeast quadrant providing best access to power and fiber optic communications. CCTV camera can be mounted near the top of existing signal pole with luminaire nearest to the controller cabinet along Imperial Hwy. There are no obstructions to field of view and good coverage of all approaches. Other quadrants have similarly good field of views but would require longer runs for video cable.



IMPERIAL HWY AT CARMENITA RD

INTERSECTION RECOMMENDATION SHEET

DATE: 1/24/05

LOCATION: IMPERIAL HWY / CARMENITA RD

CITY: LA COUNTY

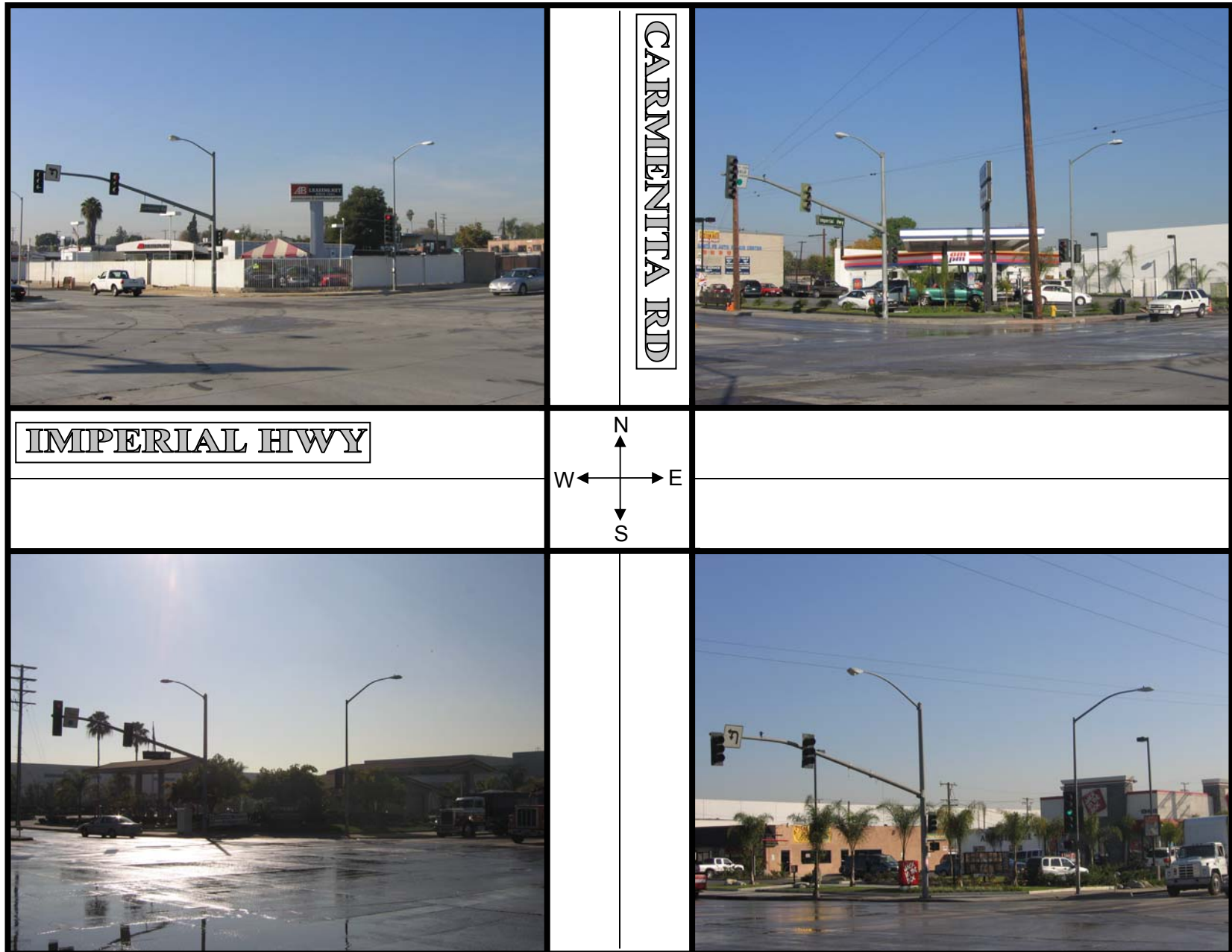
LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	4	3	2	3
B).	FIELD OF VIEW	3	2	3	4
C).	COMMUNICATIONS ACCESS	4	3	2	3
D).	MOUNTING	4	2	4	3
	TOTAL	15	10	11	13

[WORST=1 – 4=BEST]

RECOMMENDATION: (Southwest Quadrant – Existing Signal Pole)

Controller cabinet is located on southwest quadrant providing best access to power and telephone communications. CCTV camera can be mounted near the top of existing signal pole with luminaire nearest to the controller cabinet. There are no obstructions to field of view and good coverage of all approaches. Other quadrants have similarly good field of views but would require longer runs for video cable.



IMPERIAL HWY AT VALLEY VIEW AVE



INTERSECTION RECOMMENDATION SHEET

DATE: 1/24/05

LOCATION: IMPERIAL HWY / VALLEY VIEW AVE

CITY: LA MIRADA

LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	4	3	2	3
B).	FIELD OF VIEW	4	2	3	2
C).	COMMUNICATIONS ACCESS	-	-	-	-
D).	MOUNTING	2	2	4	3
	TOTAL	10	7	9	8

[WORST=1 – 4=BEST]

RECOMMENDATION: (Southwest Quadrant – Existing Signal Pole)

Controller cabinet is located on southwest quadrant providing best access to power and possibly telephone communications. CCTV camera can be mounted near the top of existing signal pole with luminaire nearest to the controller cabinet. There are no obstructions to field of view and good coverage of all approaches. Other quadrants have similarly good field of views but would require longer runs for video cable. Unable to confirm telephone access point location pending coordination with telephone company.



IMPERIAL HWY AT LA MIRADA BLVD



INTERSECTION RECOMMENDATION SHEET

DATE: 1/24/05

LOCATION: IMPERIAL HWY / LA MIRADA BLVD

CITY: LA MIRADA

LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	3	4	3	2
B).	FIELD OF VIEW	4	2	2	2
C).	COMMUNICATIONS ACCESS	-	-	-	-
D).	MOUNTING	3	3	3	3
	TOTAL	10	9	8	7

[WORST=1 – 4=BEST]

RECOMMENDATION: (Southwest Quadrant – Existing Signal Pole)

Controller cabinet is located on northwest quadrant providing best access to power and possibly telephone communications. CCTV camera can be mounted near the top of existing signal pole with luminaire on southwest quadrant along Imperial Hwy. There are no obstructions to field of view and good coverage of all approaches. Other quadrants have obstructions to field of view due to power poles. Unable to confirm telephone access point location pending coordination with telephone company.



ROSECRANS AVE AND AVALON BLVD



INTERSECTION RECOMMENDATION SHEET

DATE: 1/24/05

LOCATION: ROSECRANS AVE / AVALON BLVD

CITY: LA COUNTY

LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	4	3	3	2
B).	FIELD OF VIEW	3	4	3	1
C).	COMMUNICATIONS ACCESS	-	-	-	-
D).	MOUNTING	4	4	3	2
	TOTAL	11	11	9	5

[WORST=1 – 4=BEST]

RECOMMENDATION: (Southwest Quadrant – Existing Signal Pole)

Controller cabinet is located on southwest quadrant providing best access to power and possibly telephone communications. CCTV camera can be mounted near the top of existing signal pole with luminaire nearest to the controller cabinet. There is an obstruction to field of view as the camera looks toward the west on the Rosecrans approach. This obstruction is minimized at the elevation of camera, with good coverage of the other approaches. Other quadrants have similarly good field of views but would require longer runs for video cable. Unable to confirm telephone access point location pending coordination with telephone company.



ROSECRANS AVE AT WILMINGTON AVE



INTERSECTION RECOMMENDATION SHEET

DATE: 1/24/05

LOCATION: ROSECRANS AVE / WILMINGTON AVE

CITY: COMPTON

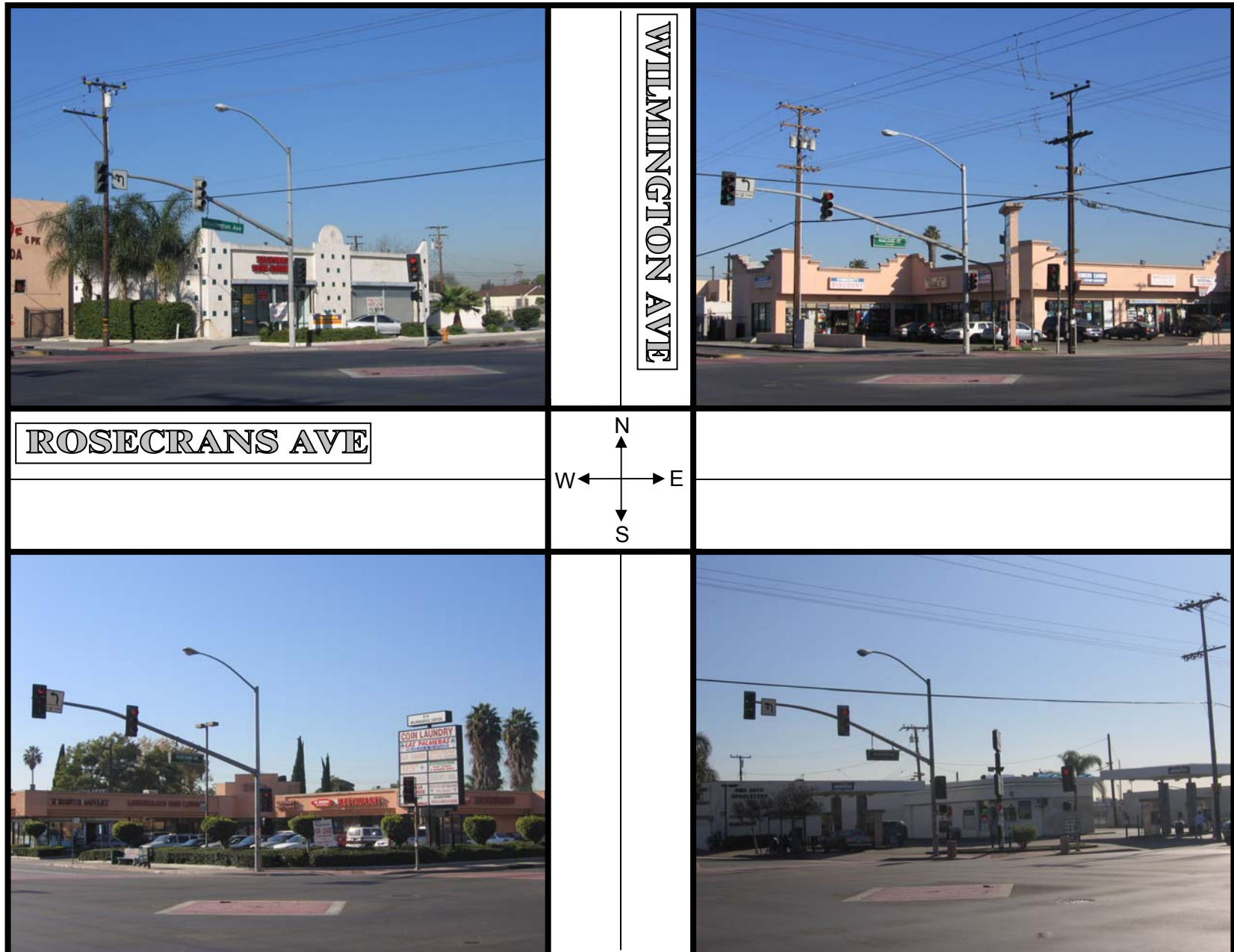
LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	2	3	4	3
B).	FIELD OF VIEW	2	4	3	2
C).	COMMUNICATIONS ACCESS	-	-	-	-
D).	MOUNTING	3	2	3	2
	TOTAL	7	9	10	7

[WORST=1 – 4=BEST]

RECOMMENDATION: **(Northeast Quadrant – Existing Signal Pole)**

Controller cabinet is located on northeast quadrant providing best access to power and possibly telephone communications. CCTV camera can be mounted near the top of existing signal pole with luminaire nearest to the controller cabinet. There is a minor aerial telephone cable obstruction to field of view as the camera points to the westbound Wilmington approach with good coverage of other approaches. The northwest quadrant has slightly better field of view but would require longer runs for video cable. Unable to confirm telephone access point location pending coordination with telephone company.



ROSECRANS AVE AT LONG BEACH BLVD

INTERSECTION RECOMMENDATION SHEET

DATE: 1/21/05

LOCATION: ROSECRANS AVE / LONG BEACH BLVD

CITY: COMPTON

LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	2	3	4	3
B).	FIELD OF VIEW	2	3	2	4
C).	COMMUNICATIONS ACCESS	-	-	-	-
D).	MOUNTING	2	3	2	4
	TOTAL	6	9	8	11

[WORST=1 – 4=BEST]

RECOMMENDATION: (Southeast Quadrant – Existing Signal Pole)

Controller cabinet is located on northeast quadrant providing best access to power and possibly telephone communications. CCTV camera can be mounted near the top of existing signal pole with luminaire along Rosecrans Ave. There are no obstructions to field of view and good coverage of all approaches. The southeast quadrant has a better field of view, than the northeast requiring a new CCTV pole, and will require a longer run for video cable. Unable to confirm telephone access point location pending coordination with telephone company.



ROSECRANS AVE AT ATLANTIC AVE

INTERSECTION RECOMMENDATION SHEET

DATE: 1/24/05

LOCATION: ROSECRANS AVE / ATLANTIC AVE

CITY: LA COUNTY

LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	2	3	4	2
B).	FIELD OF VIEW	1	3	4	2
C).	COMMUNICATIONS ACCESS	-	-	-	-
D).	MOUNTING	1	3	2	4
	TOTAL	4	9	10	8

[WORST=1 – 4=BEST]

RECOMMENDATION: (Northeast Quadrant – Existing Signal Pole)

Controller cabinet is located on northeast quadrant providing best access to power and possibly telephone communications. CCTV camera can be mounted near the top of existing signal pole with luminaire located along Rosecrans Ave. There are no obstructions to field of view and good coverage of all approaches. Other quadrants have similarly good field of views but would require longer runs for video cable. Unable to confirm telephone access point location pending coordination with telephone company.



ROSECRANS AVE AT PARAMOUNT BLVD

INTERSECTION RECOMMENDATION SHEET

DATE: 1/21/05

LOCATION: ROSECRANS AVE / PARAMOUNT BLVD

CITY: PARAMOUNT

LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	2	3	4	3
B).	FIELD OF VIEW	2	3	4	2
C).	COMMUNICATIONS ACCESS	-	-	-	-
D).	MOUNTING	2	2	3	3
	TOTAL	6	8	11	8

[WORST=1 – 4=BEST]

RECOMMENDATION: (Northeast Quadrant – Existing Signal Pole)

Controller cabinet is located on northeast quadrant providing best access to power and possibly telephone communications. CCTV camera can be mounted near the top of existing signal pole with luminaire nearest to the controller cabinet. There are no obstructions to field of view and good coverage of all approaches. Other quadrants have similarly good field of views but would require longer runs for video cable. Unable to confirm telephone access point location pending coordination with telephone company.



ROSECRANS AVE AT LAKEWOOD BLVD

INTERSECTION RECOMMENDATION SHEET

DATE: 1/11/05

LOCATION: ROSECRANS AVE / LAKEWOOD BLVD

CITY: DOWNEY / BELLFLOWER

LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	2	4	2	2
B).	FIELD OF VIEW	4	4	3	4
C).	COMMUNICATIONS ACCESS	-	-	-	-
D).	MOUNTING	4	4	4	4
	TOTAL	10	12	9	10

[WORST=1 – 4=BEST]

RECOMMENDATION: (Northwest Quadrant – Existing Signal Pole)

Controller cabinet is located on northwest quadrant providing best access to power and possibly telephone communications. CCTV camera can be mounted near the top of existing signal pole with luminaire along Rosecrans Ave. There are no obstructions to field of view and good coverage of all approaches. Other quadrants have similarly good field of views but would require longer runs for video cable. Unable to confirm telephone access point location pending coordination with telephone company.



ROSECRANS AVE AT WOODRUFF AVE



INTERSECTION RECOMMENDATION SHEET

DATE: 1/11/05

LOCATION: ROSECRANS AVE / WOODRUFF AVE

CITY: BELLFLOWER

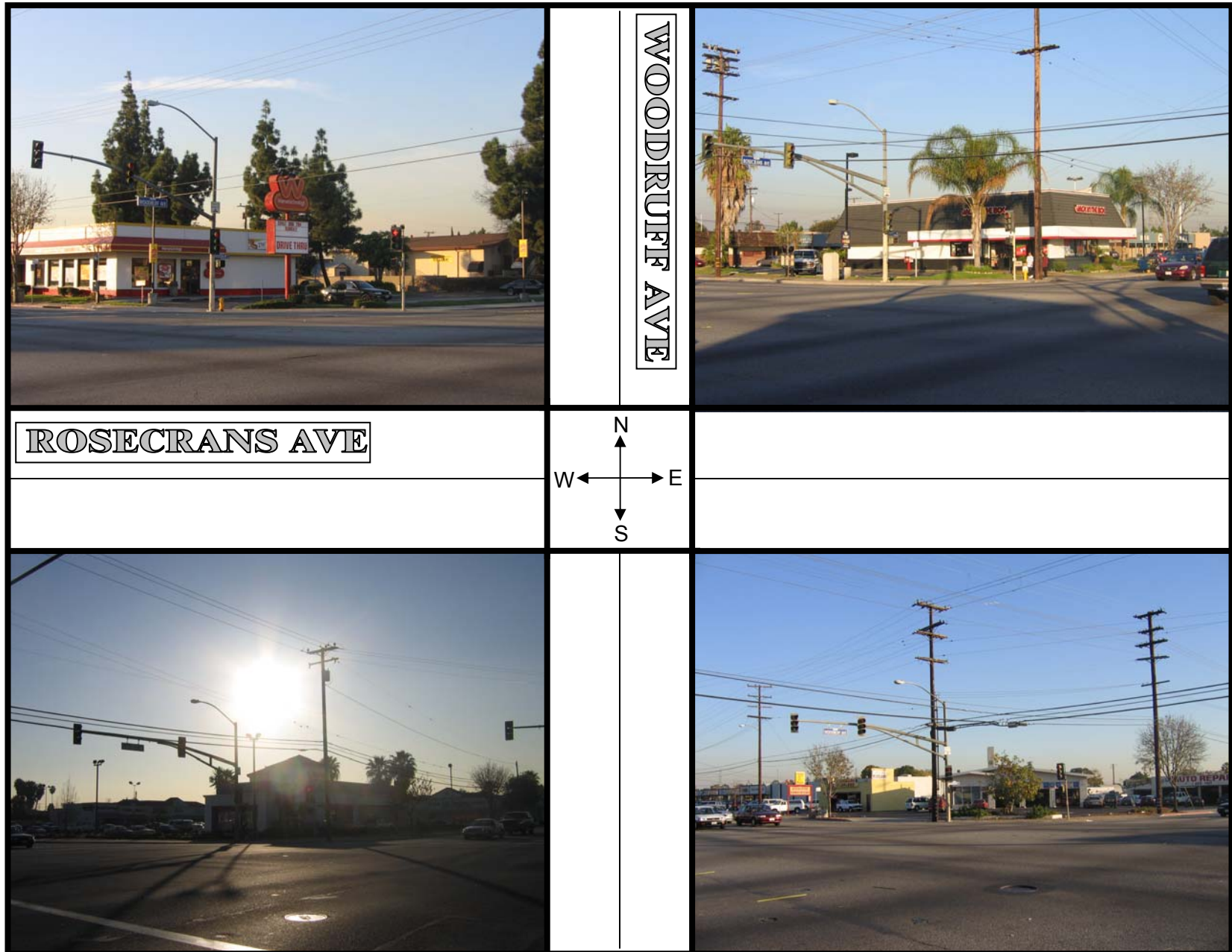
LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	2	3	4	3
B).	FIELD OF VIEW	3	3	2	3
C).	COMMUNICATIONS ACCESS	-	-	-	-
D).	MOUNTING	3	4	2	2
	TOTAL	8	10	8	8

[WORST=1 – 4=BEST]

RECOMMENDATION: (Northwest Quadrant – Existing Signal Pole)

Controller cabinet is located on northeast quadrant providing best access to power and possibly telephone communications. CCTV camera can be mounted on northwest quadrant near the top of existing signal pole with luminaire nearest along Rosecrans Ave. There is a minor obstruction to field of view on the southbound Woodruff Ave approach due to trees, but still quite good. Unable to confirm telephone access point location pending coordination with telephone company.



ROSECRANS AVE AT STUDEBAKER RD



INTERSECTION RECOMMENDATION SHEET

DATE: 1/11/05

LOCATION: ROSECRANS AVE / STUDEBAKER RD

CITY: NORWALK

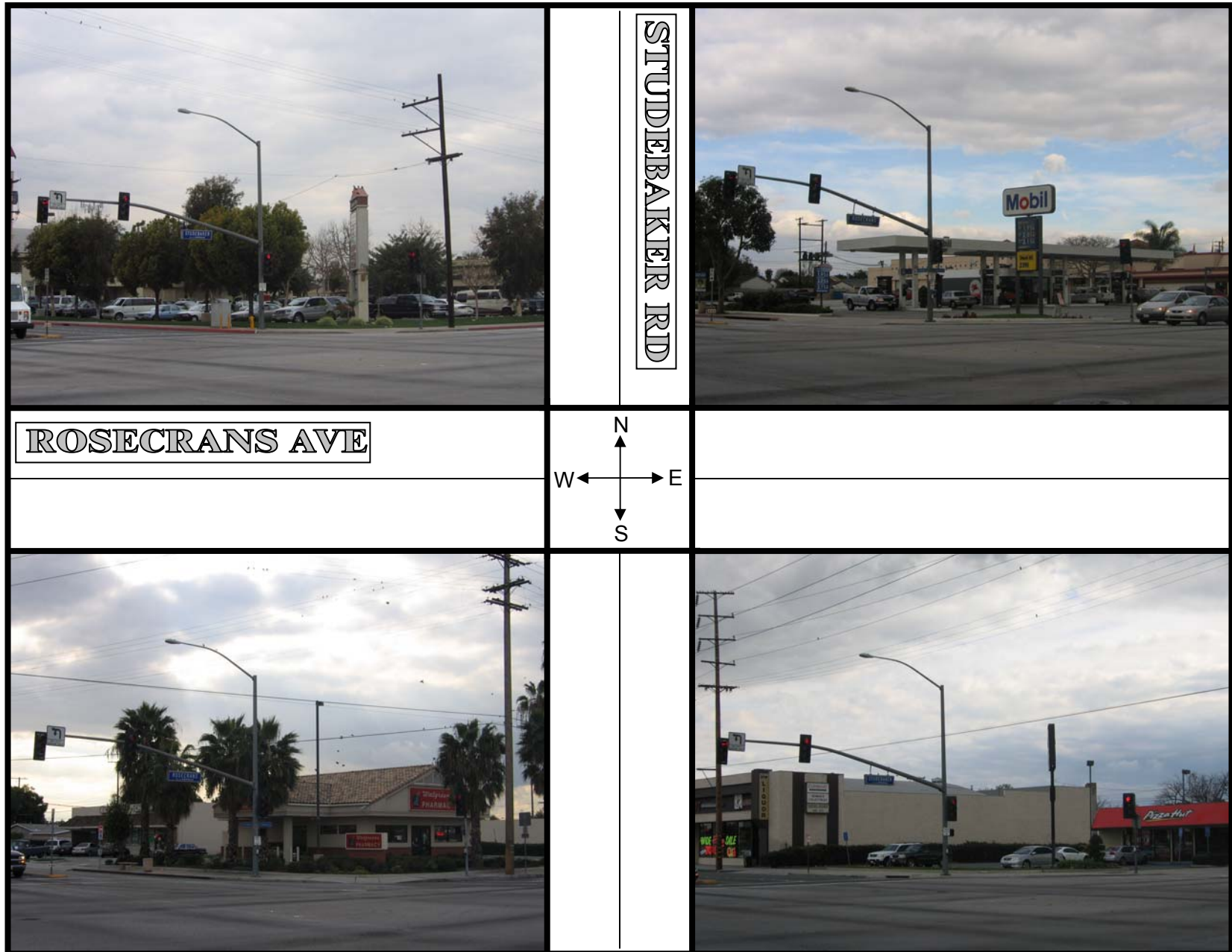
LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	3	4	3	2
B).	FIELD OF VIEW	4	2	3	4
C).	COMMUNICATIONS ACCESS	-	-	-	-
D).	MOUNTING	4	4	4	4
	TOTAL	11	10	10	10

[WORST=1 – 4=BEST]

RECOMMENDATION: (Southwest Quadrant – Existing Signal Pole)

Controller cabinet is located on northwest quadrant providing best access to power and possibly telephone communications. CCTV camera can be mounted on southwest quadrant near the top of existing signal pole with luminaire located along Studebaker Rd. There are no obstructions to field of view and good coverage of all approaches. The quadrant with the controller cabinet does not provide a good view of all approaches. Unable to confirm telephone access point location pending coordination with telephone company.



ROSECRANS AVE AT PIONEER BLVD



INTERSECTION RECOMMENDATION SHEET

DATE: 1/10/05

LOCATION: ROSECRANS AVE / PIONEER BLVD

CITY: NORWALK

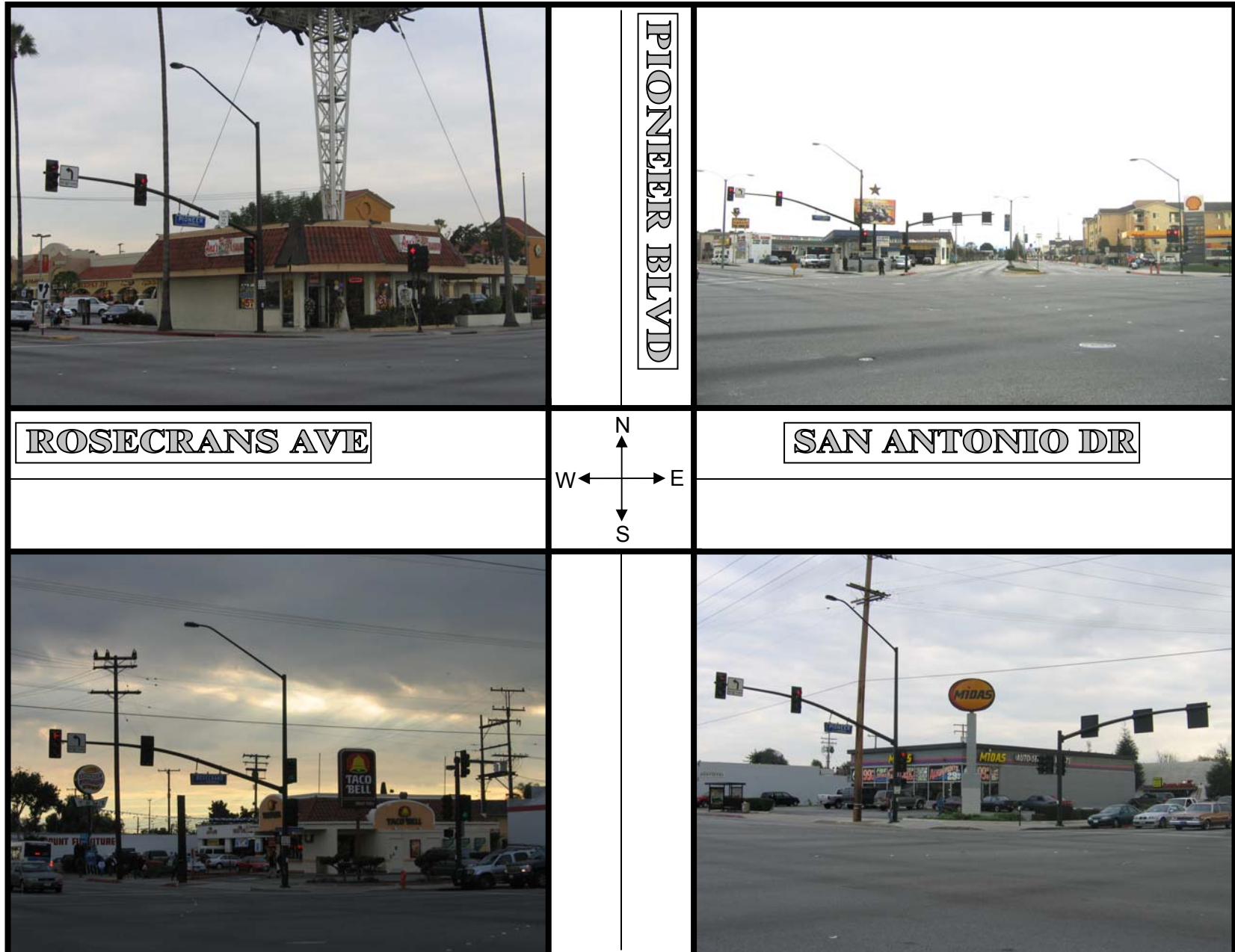
LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E-1	N/E-2	S/E
A).	POWER ACCESS	2	3	4	3	2
B).	FIELD OF VIEW	3	2	1	3	2
C).	COMMUNICATIONS ACCESS	-	-	-	-	-
D).	MOUNTING	4	4	3	4	3
	TOTAL	9	9	8	10	7

[WORST=1 – 4=BEST]

RECOMMENDATION: (Northeast-2 Quadrant – Existing Signal Pole)
 (Southwest Quadrant – Existing Signal Pole)

Controller cabinet is located on northeast-1 quadrant providing best access to power and possibly telephone communications. Since this intersection has five approaches, it is recommended that two CCTV cameras be installed. One camera can be located on the quadrant between San Antonio and Pioneer (N/E-2) at the top of an existing signal pole with luminaire. The second camera can be mounted on an existing signal pole with luminaire at the southwest quadrant. This configuration will provide good coverage of all approaches. Unable to confirm telephone access point location pending coordination with telephone company.



ROSECRANS AVE AT CARMENITA RD



INTERSECTION RECOMMENDATION SHEET

DATE: 1/10/05

LOCATION: ROSECRANS AVE / CARMENITA RD

CITY: NORWALK

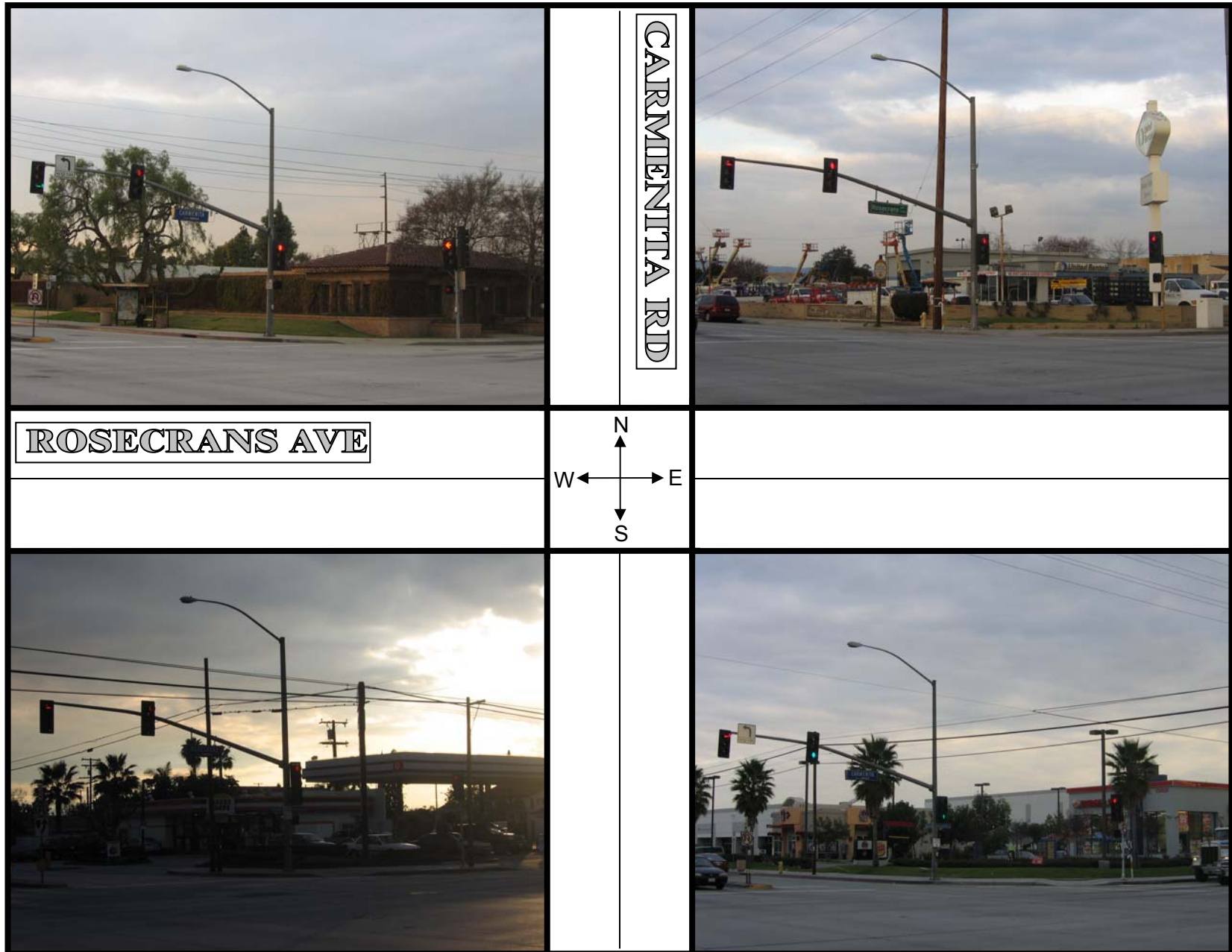
LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	3	3	4	2
B).	FIELD OF VIEW	4	2	2	2
C).	COMMUNICATIONS ACCESS	-	-	-	-
D).	MOUNTING	2	2	2	2
	TOTAL	9	7	8	6

[WORST=1 – 4=BEST]

RECOMMENDATION: (Southwest Quadrant – New Signal Pole)

Controller cabinet is located on northeast quadrant providing best access to power and possibly telephone communications. CCTV camera can be mounted on the southwest quadrant, near the top of a new 30' signal pole either replacing the existing type 1-A signal pole or installing a new CCTV camera pole along Carmenita Rd. There are no obstructions to field of view and good coverage of all approaches. Other quadrants have field of views that are somewhat obstructed by telephone and power poles as well as aerial cables. Unable to confirm telephone access point location pending coordination with telephone company.



ROSECRANS AVE AT VALLEY VIEW AVE

INTERSECTION RECOMMENDATION SHEET

DATE: 1/24/05

LOCATION: ROSECRANS AVE / VALLEY VIEW AVE

CITY: SANTA FE SPRINGS

LOCATION SELECTION CRITERIA:

		S/W	N/W	N/E	S/E
A).	POWER ACCESS	3	2	3	4
B).	FIELD OF VIEW	2	2	3	3
C).	COMMUNICATIONS ACCESS	-	-	-	-
D).	MOUNTING	2	2	3	3
	TOTAL	7	6	9	10

[WORST=1 – 4=BEST]

RECOMMENDATION: (Southeast Quadrant – Existing Signal Pole)

Controller cabinet is located on southeast quadrant providing best access to power and possibly telephone communications. CCTV camera can be mounted near the top of existing signal pole with luminaire nearest to the controller cabinet. There are no obstructions to field of view and good coverage of all approaches. Other quadrants have similarly good field of views but would require longer runs for video cable. Unable to confirm telephone access point location pending coordination with telephone company.

